



PTO/SB/21 (09-04)

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/775,288
		Filing Date	February 2, 2005
		First Named Inventor	Shiego Ted Oyama
		Art Unit	1723
		Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	1856-43000 (34158)

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO-1449 (1 p.); NINE (9) Cited References; and acknowledgment postcard
Remarks		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm	CONLEY ROSE, P.C.	
Signature		
Printed name	Marcella D. Watkins	
Date	June 13, 2005	Reg. No. 36,962

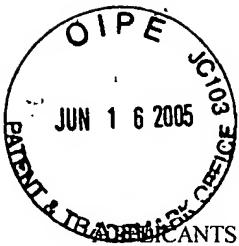
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Typed or Printed Name	Sandra K. Begley		
Signature		Date	June 13, 2005

152633.01/1856.43000

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:	Shiego Ted Oyama et al.	§	GROUP ART UNIT:	1723
SERIAL NO.:	10/775,288	§		
FILED:	February 2, 2005	§	CONFIRMATION NO.:	1167
FOR:	Hydrogen-Selective	§		
	Silica-Based Membrane	§	EXAMINER:	Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
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Att'y Docket No. 1856-43000  
Client Ref. No.: VTIP-03071  
Date: June 13, 2005

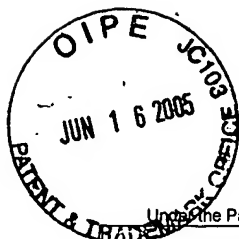
Sir:

This Information Disclosure Statement, including completed Form PTO-1449, comprises a list of pertinent art of which Applicants are aware. A copy of each non-publication listed on Form PTO-1449 is enclosed herewith.

The submission of this Information Disclosure Statement and the references submitted therewith is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action. It is submitted that the art cited does not constitute a bar to the patentability of Applicants' invention under 35 U.S.C. § 102 or § 103.

Respectfully submitted,

Marcella D. Watkins, PTO Reg. No. 36,962  
CONLEY ROSE, P.C.  
P.O. Box 3267  
Houston, TX 77253-3267  
(713) 238-8000 (Phone)  
(713) 238-8008 (Fax)  
ATTORNEY FOR APPLICANTS



PTO/SB/08B (08-03)

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/775,288
				Filing Date	February 2, 2005
				First Named Inventor	.Shiego Ted Oyama
				Group Art Unit	1723
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	1856-43000

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-6,527,833	03-04-2003	Oyama, et al.	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		G. J. HWANG ET AL.; "Hydrogen separation in H <sub>2</sub> -H <sub>2</sub> O-HI gaseous mixture using the silica membrane prepared by chemical vapor deposition"; Journal of Membrane Science, Vol. 162 (1999); pp. 83-90.	
		R. J. R. UHLHORN ET AL.; "Synthesis of ceramic membranes"; Journal of Materials Science, Vol. 27, No. 2 (1992); pp. 527-537.	
		V. V. NAZAROV ET AL.; "Synthesis and Colloid-Chemical Properties of Boehmite Hyroisols"; Colloid Journal, Vol. 60, No. 6 (1998); pp. 738-747.	
		A. LARBOT ET AL.; "Alumina Nanofiltration Membrane From Sol-Gel Process"; Key Engineering Materials, Vols. 61 & 62 (1991); pp. 395-398.	
		C. LIJZENG ET AL.; "Zirconia-Coated Gamma-Alumina Membrane Toplayers"; Key Engineering Materials, Vols. 61 & 62 (1991); pp. 383-386.	
		R. I. ZAKHARCHENYA; "Influence of Peptization on the Properties of Alumina Produced From Boehmite Sols"; Journal of Sol-Gel Science and Technology, Vol. 6 (1996); pp. 179-186.	
		B. E. YOLDAS; "Alumina Sol Preparation From Alkoxides"; Ceramic Bulletin, Vol. 54, No. 3 (1975); pp. 289-290.	
		X. CHANGRONG ET AL.; "Boehmite sol properties and preparation of two-layer alumina membrane by a sol-gel process"; Journal of Membrane Science, Vol. 116 (1996); pp. 9-16.	
		J. S. MASARYK ET AL.; "Diffusivity of helium in fused silica"; The Journal of Chemical Physics, Vol. 59, No. 3 (1973); pp. 1198-1202.	

Examiner Signature		Dated Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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